

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-025338

(43)Date of publication of application : 25.01.2000

---

(51)Int.Cl. B41M 5/26  
B41M 5/34  
// C09K 3/00

---

(21)Application number : 10-210348

(71)Applicant : GUNZE LTD

(22)Date of filing : 08.07.1998

(72)Inventor : TONOI KAZUTO

TANAKA AKIHIRO

OKAMOTO TOSHINORI

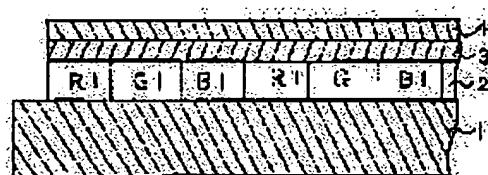
---

## (54) THERMAL REVERSIBLE MULTI-COLOR RECORDING MEDIUM

### (57)Abstract:

PROBLEM TO BE SOLVED: To provide a thermal reversible multi-color recording medium, prominent in the quality of a picture and high in utility.

SOLUTION: A heat reversible multi-color recording layer 2 of two colors or more (red, blue and green, for example) is arranged on a substrate 1 with a regular arraying pattern and a near infrared ray absorbing layer 3, absorbing near infrared ray from laser beam and whose principal constituent is a near infrared ray absorbing agent having a molar absorptivity of 20000 or more (preferably immonium base perchlorate), is laminated on the whole surface of the recording layer. Further, a transparent protecting layer 4 is provided on the whole surface of the absorbing layer 3 to protect the same from external hazard. Obtained thermal reversible multi-color recording medium is suitable especially for laser writing and is utilized practically in the form of combination with various kinds of advertisement mediums, various kinds of cards and the like.



---

### LEGAL STATUS

[Date of request for examination] 12.12.2000

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3423887

[Date of registration] 25.04.2003

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office